

Bolla, G.
NEW RAMAN BANDS OF WATER. [1961] 7p.
Order from ATS \$12.25 ATS-93N491

Trans. of Nuovo Cimento (Italy) 1933 [ser. 8] v. 10,
p. 101-107.

DESCRIPTORS: *Raman spectroscopy, *Water.

(Unannounced)

61-22339

- I. Bolla, G.
- II. ATS-93N491
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/990-15

101844

Office of Technical Services

Rostagni, Antonio.
RESEARCH ON POSITIVE AND NEUTRAL RAYS.
PT. 1. NEUTRALIZATION OF POSITIVE RAYS.
[1963] 20p. 9 refs.
Order from SLA \$1.60 63-14671

Trans. of Nuovo Cimento (Italy) 1934 [ser. 8] v. 11,
p. 34-47.

DESCRIPTORS: *Ion beams, *Neutralization,
Ions, Gas ionization, Ionization chambers,
Velocity, Gases, Argon, Metals, Surface area,
Measurement.

An experimental arrangement for measurements with
positive and neutral slow rays is described. The
results of measuring the neutralization of ions on
metallic surfaces and in gas at different velocities are
presented. In "grazing" collisions of argon ions at
velocities between 100 and 600 volts with a copper wall,
(Chemistry--Physical, TT, v. 10, no. 4) (over)

63-14671

I. Rostagni, A.
II. Title: Neutralization ...

Office of Technical Services

Rostagni, Antonio.
RESEARCH ON POSITIVE AND NEUTRAL RAYS.
PT. II. LIBERATION OF ELECTRONS BY METALLIC
SURFACES. [1963] [21p] 1ref
Order from SLA \$2.60

TT-63-20836

Trans. of Nuovo Cimento (Italy) 1934 [ser. 8]
v. 11, p. 99-113.

DESCRIPTORS: *Ion beams, *Molecular beams,
Ions, Atoms, Absorption, *Argon, *Neon, *Helium,
Electrons, Emissivity.

(See also 63-14671)

(Physics, TT, v. 11, no. 3)

TT-63-20836

I. Rostagni, A.
II. Title: Liberation ...

Office of Technical Services

Effect of Pressure on the High Terms of
the Spectra of the Alkalies, by E. Asaldi.
ITALIAN, per, Nuovo Cimento, Vol XI,
1934, pp. 145-156.
NASA TT F-10,611

Sci - Phys

May 67

GOVERNMENT USE ONLY

x

324,165

On the Pressure-Induced Shift of the Higher-Order
Lines of the Spectral Series, by E. Fermi.
ITALIAN, per, Nuovo Cimento, Vol XI, 1934,
pp 157-166.
NASA TT F-9312

Sci-Ingr
May 65

281,020

Rostagni, Antonio.
RESEARCH ON POSITIVE AND NEUTRAL RAYS.
PT. III. IONIZATION BY COLLISION OF ATOMS.
[1963] [21p] 13 refs.
Order from SLA \$2.60 TT-63-20837

Trans. of Nuovo Cimento (Italy) 1934 [ser. 8] v. 11,
p. 621-634.

DESCRIPTORS: *Ion beams, *Molecular beams,
*Gas ionization, *Argon, *Helium.

(See also TT-63-20836)

(Physics, TT, v. 11, no. 3)

TT-63-20837

I. Rostagni, A.
II. Title: Ionization ...

Office of Technical Services

Bolla, G.
THE EFFECT OF TEMPERATURE ON THE RAMAN
BANDS OF WATER AT 510 AND 780 cm^{-1} [1961] 4p.
Order from ATS \$6.60
ATS-94N49

Trans. of Nuovo Cimento (Italy) 1934 [ser. 8] v. 12,
no. 4, p. 243-246.

DESCRIPTORS: *Raman spectroscopy. *Water.
*Temperature.

(Unannounced)

61-22327

I. Bolla, G.
II. ATS-94N49
III. Associated Technical
Services, Inc.,
East Orange, N. J.

161869

Office of Technical Services

Flicker Effect in Electron Tubes, by P. Di Roberto,
24 pp.

ITALIAN, per, Nuovo Cimento, Vol XII, No 6, Jun
1935, pp 348-357.

SLA Tr 57-874

Sci - Electronics
Jan 58

57, 596

The Absorption of Liquid Oxygen, by A. Carrelli

ITALIAN, per, Il Nuovo Cimento, Vol XII, 1935, pp
423-2 425.

Nat'l Res Council Canada TR 351

Scientific - Chemistry
Aug CTS/DEX

16,883

Symmetrical Theory of the Electron and the
Position, by E. Majorana, 23 pp.

ITALIAN, per, Nuovo Cimento, Vol XIV, 1937,
pp 171-184.

SIA Tr 2455

Sci - Nuclear Physics

50,601

Aug 57

Proton Emission From β Hydrogenized Palladium, by
T. Franzini, 14 pp. UNCLASSIFIED

ITALIAN, per, Nuovo Cimento, No 15, 1938, pp 88-99.

Amer Meteor Soc for
Geophys Res Dir ASTIA

Sci - Physics
May 58

56A 59-12028

63,116

Ionization by Vaporization, by G. Lovera, ⁷/₂ pp.

ITALIAN, Per, Nuovo Cimento, 1938, Vol XV, pp 377-383

SLA 59-15345

Sci

Oct 59

Vol 2, No 3

99,911

On the Spectral Emission of Nickel at Various
Temperatures, by P. Cannamo, 14 pp.

ITALIAN, per, Nuovo Cimento, Vol XVI, No 5,
May 1939, pp 253-260.

SLA 2151

Sci - Minerals/Metals
Oct 57

54,256

Some New Type of Electric Arc. Part 4. Arcs With an Electrode Consisting of a Carbon Disc Rotating at High Speed, Partially Immersed in the Solution to be Examined and Part 5. Arcs With an Electrode Consisting of one or More Metal Discs Rotating at High Speed, by M. Pierucci, L. Barbanti-Silva, 14 pp.

ITALIAN, per, Nuovo Cimento (8), Vol XVII, 1940, pp 275-282.

AEC IGRL-T/C-74 141,590

Sci - Engr
9 Mar 61

New Magneto-Optic Research, by Q. Majorana,
15 pp.

ITALIAN, per, Nuovo Cimento, Vol I, Apr 1943,
pp 120-125.

SLA Tr 57-1189

Sci - Physics

52, 301

Sep 57

The Kerr Phenomenon in Nonferromagnetic Metals, by
O. Majorana, 14 pp.

ITALIAN, per, Nuovo Cimento, Apr 1944, pp 1-13.

FDD/X-3186

Sci - Minerals, Metals

12 Nov 58

Density Measurement of Thermal Neutrons, by
E. Corinaldesi, 23 pp.

ITALIAN, per, Nuovo Cimento, Vol IX, No 3, 1946,
pp 131-141.

ABC UCRL-Trans-632(L)

Sci - Phys
May 61

150,385

Bordoni, P. G.
ELECTROACOUSTIC METHOD FOR EXPERIMENTAL
RESEARCH ON ELASTICITY. 27 Oct 62, 26p. (figs.
omitted) 18 refs.

Order from SLA \$2.60

62-20433

Trans. of Nuovo Cimento (Italy) 1947, ser. 9, v. 4,
no. 3/4, p. 177-200.

DESCRIPTORS: *Elasticity, Measurement, *Acoustics,
*Electrostatics, Cylindrical bodies, Rods, Vibration,
Excitation, Frequency modulation, Statistical analysis,
*Measuring devices (Electrical and electronic).

A new method for measuring the principal elastic para-
meters of solids (modulus of elasticity and Poisson
ratio) and their internal damping (friction) is described.
First, the principle of the method has been indicated
which uses the novel technique of frequency modulation
(Mechanics, TT, v. 9, no. 12) (over)

62-20433

1. Bordoni, P. G.

Office of Technical Services

Special Aspects of the Magnetization of Ferromagnetic
Films, by A. Drigo, M. Pizzo, 12 pp.

GOVERNMENT USE ONLY

ITALIAN, per, Nuovo Cimento, Vol 5, No 3, June 1948,
pp 196-206.

ARM/FSTC/HT-23-209-71

June 71

Liberation of Electrons from Metallic Surfaces
by the Impact of Ions, by A. M. D'Am, et al,
6 pp.

Stavice
~~SPAIN~~, par, Nuovo Cimento, Vol V, 1948,
pp 394-396.

S.L.A. Tr 118
RP-3267

32,905

WEur - Spain
Scientific - Nuclear Physics

Measurement of the Internal Friction and of the
Elastic Constants of Wood, by I. Borducci, G.
Pasqualini, 30 pp.

ITALIAN, per, Nuovo Cimento, Vol V, No 5, 1948,
pp 416-446.

SIA Tr 2360

Sci - Chemistry

53,318

Sep 57

A Theory Regarding the Stiles-Crawford Effect, by
G. Toraldo di Francia, 4 pp.

ITALIAN, per, Nuovo Cimento, Vol V, Ser 9, No 6,
Dec 1948, pp 589, 590.

S.L.A. Tr 734/1955

Sci - Engineering
Apr 1957 CTS/dex

50, 327

Ferro-Magnetic Impurities of Substances of Magnetiza-
tion of Small Granules, by A. Drigo and M. Pinzo, 9
pp.

ITALIAN, per, Nuovo Cimento, X Vol VI, No 4, 1949,
pp 297-299.

SIA 57-3014

Sci

Aug 8

71,417

The Ferromagnetism of Thin Films of Fe, Co and Ni as
a Function of the Thickness, by A. Drigo, M. Pizzo,
23 pp.

ITALIAN, per, Nuovo Cimento, Vol VI, No 6, Sep 1949,
pp 327-335.

SLA Tr 57-971

Sci - Electricity, Phys. cs 52, 367

Sep 57

G. Careri

Ion discrimination in mass spectrometers. 8 pp
ITALIAN, Nuovo Cimento (Bologna), Vol 7, No 1,
1950, pp 64-68
NASA TT F 14,326

oct 72

Measurement of ¹Low Vapour Tensions, by
I. Filosofo, M. ~~MEEX~~ Merlin.

ITALIAN, per, ~~EE~~ Novo Cimento,
Vol VII, 1950, pp 69-75.

CSIRO

Sci - Phys
Jun 62

199, 222

Symbolic Calculation Methods Relating to the Multiplication of Neutrons, by S. Gallone, C. Salvetti.

ITALIAN, per, Nuovo Cim., Vol I(4), 2.7. 1950,
pp 482-500.

TPA3/TIB Tr No 3948

Scientific - Aeronautics, symbolic calculation,
neutrons

Index Aeronauticus

Photoproduction of Mesons in Deuterium, by G. Morpurgo,
22 pp. UNCLASSIFIED

Full translation.

PERMIAE, per, Nuovo Cimento, Vol VIII, 1951, pp 552-568.

AEC Tr 2031

Scientific - Nuclear Physics

Jun 53 CTS/DEX

3062

Elimination of Contraction in Nuclear Emulsions,
by G. Mignone

ITALIAN, per, Il Nuovo Cimento, Vol VIII, No 11,
1951.

S.I.A. Tr Pool

Scientific - Nuclear Physics
CTS/DEX

14,258

Resonances (n,n) and the (n,p) Reaction in P^{31} and
 S^{32} , by R. Ricamo, 24 pp.

ITALIAN, per, Nuovo Cimento, Vol VIII, 1951, pp
383-402.

AEC Tr 2896

Sch - Chan

47, 412

May 57

Construction and Characteristics of Geigercounters
Filled with Bromine Vapour and Intended for β and
 γ (radiation) Prospecting, by C. Gimenez, J.
Labeyrie.

ITALIAN, per, Nuovo Cimento, Vol IX, 1952, pp 169-
183.

INSDOC-T1849

Sci
Apr 59

84, 861

On the Fluorescence Produced by Alpha Particles in
Stilbene, by M. Ageno, G. Cortellensa.

ITALIAN, per, Nuovo Cim, Vol IX(2), 1.2. 1952,
pp 156-158.

TPA3/TIB Tr No T 4047

Scientific - ~~Scientific~~ Chemistry, fluorescence,
alpha, stilbene

Index Aeronauticus

Cerenkov Effect in Optics and in the Microwave
Region, X by M. Abela, 7 pp.

ITALIAN, per, ¹ Nuovo Cimento, Vol IX, ^{No 3} ~~No 4~~,
Suppl., 1952, pp 207-213.

AEC-Tr-2830

Sci - Physics

Mar 57/CTS

45,188

HOST I-5119-A

ID 024033

On the Propagation of Waves in Stratified Media,
J. H. Abeles, 8 pp.

ITALIAN, per, Del Nuovo Cimento, Vol IX, No 3,
Series IX, 1952, pp 214-224.

ACSI I-3119-B
ID 2240043

Sci - Fays
Dec 63

244,059

Experimental Study of the Resolution Limit of
Two Points of Light as a Function of Their
Coherence, by A. Arnulf, O. Dupuy, 5 pp.

RAMJAN, per, del Nuovo Cimento, Vol IX, No 3,
Series IX, 1952, pp 225-230.

ACSI I-3119-C
ID 2240843

244,060

Sci - Phys
Dec 63

and Magnetic Constants With Centimeter and
Millimeter Wave Lengths, by J. Benoit, T. E. Talpoy,
6 pp.

ITALIAN, per, del Nuovo Cimento, Vol IX, No 3,
Series IX, 1952, pp 231-236.

ACSI I-3119-D
ID 2240843

Sci - Phys
Dec 63

244, 061

Comparison of Results Using Infrared and ~~EM~~ Centi-
meter Spectroscopy, by J. Benoit, T. A. Talpey, 4 pp

PERMAN, per, Il Nuovo Cimento, Vol IX, No 3,
Series IX, 1954, pp 270-276. 9629629

ACSI I-3119-E
ID 2240343

Sci - Phys
Aug 53

On the Mechanism of Scintillation in Solutions, by
M. Ageno and R. Quersoli, 15 pp.

ITALIAN, per Il Nuovo Cimento, Vol IX, 1952,
pp 282-290.

S. I. A. Tr 553/56

Sci - Chemistry
Aug 56 CFB/dex

88,367

Contribution to the Improvement of Separating
Capacity, by H. Francon, 4 pp.

ITALIAN, per, Il Nuovo Cimento, Vol IX, No 3,
Series IX, 1948, pp 283-287.

5

*ACSI I-3119-F
ID 2246363

Sci - Phys
Aug 48

On the Thermodynamics of Electromagnetic Waves, by
T. Kahan, 8 pp.

ITALIAN, per, del Nuovo Cimento, Vol IX, No 3,
Series IX, 1952, pp 304-314.

ACSI I-3119-0
ID 2240843

Sci - Phys
Dec 63

244, 062

Polarimetry in the Domain of Hertzian Waves, by
A. Hestler, 5 pp.

VITALIAN, per, del Nuovo Cimento, Vol IX, No 3,
Series 15, 1952, pp 315-321.

ACSI I-3119-B
ID 2240843

Ses - B.S.
Dec 63

244, 063

Applications of Differential Geometry to Microwave
Optics, by K. S. Vane, 9 pp.

K

ITALIAN, ~~per~~, del Nuovo Cimento, Vol IX, No 3,
Series IX, 1952, pp ~~322-332~~

ACSI I-3119-I
ID 2240843

Sci - Phys
Dec 63

244, 064

Formation of Images in the Microscope, by
P. Lacorazza, 3 pp

ITALIAN, per, Il Nuovo Cimento, Vol IX, No 3,
Series IX, 1962, pp 333-339.

5

ACSI I-3110-J
ID 2240843

Sci - Phys
Aug 63

A Method of Improving the Separating Capacity of
Optical Instruments Based on Phase Amplification,
by F. Lacomme, A. Marechal, 4 pp.

ITALIAN, per, Il Nuovo Cimento, Vol IX, No 3,
Series IX, 1962, pp 354-357.

5

~~ACSI~~ I-3119-K
ID 2240343

Sci - Phys
Aug 63

Eulogy for Professor Luigi Puccianti Upon
Receiving Word of His Death, by G. Polvani, *2 pp*

PERLHAN, per, Il Nuovo Cimento, Vol IX, No 3,
Series IX, 1962, pp 470, 479.

5

*ACSI I-3119-L
ID 2240043

Sci - Phys
Aug 63

Words Spoken at the Close of the Meeting,
by A.C.S. Van Heel, 1 p.

ITALIAN, per, Il Nuovo Cimento, Vol IX, No 3,
Series IX, 1962, ~~11~~ p 480.

ACSI I-3119-M
ID 2240343

Sci - Phys
Aug 68

On the Nucleonic Component in the Atmosphere
II, by E. Clementel, F. Ferrari, 12 pp.

ITALIAN, per, Il Nuovo Cimento, Vol IX, no 7,
1952, pp 572-579.

S.L.A. Tr 101

WEur - Italy

Scientific - Nuclear Physics

32, 174

On the Zenithal Distribution of the Medium-
Energy Nucleonic Component, by P. Bassi,
C. Manduchi, P. Veronesi, 6 pp.

ITALIAN, per, Il Nuovo Cimento, Vol IX, 1952,
pp 722-725.

S.L.A.

Scientific - Nuclear Physics

CTS 64/Jan 55

20,948

Propagation of Very Long Electromagnetic Waves
Around the Earth, and Signals Due to Lightning
Discharges, by W. O. Schumann, 26 pp. (AF 441724).
UNCLASSIFIED

ITALIAN, per, Il Nuovo Cimento, Vol IX, No 12, Dec
1952, pp 1116-1138.

ATTC P-TS-8017

11,517

Scientific - Astronomy
CTS/DEX

ATTC 101169A CIA 2508501
(pull card for AF No too).

A Case of Aging in Scintillation Liquids, by
N. Agno, G. Cortellessa, and R. Quarnoli, 5 pp.

ITALIAN, per, Il Nuovo Cimento, Vol IX, 1952,
pp 1242-1243.

B. L. A. Tr 552/56

Sci - Chemistry
Aug 56 OTB/dex

38,366

Bozza, G.
THE MECHANISM OF THE SPINNING PROCESSES
OF SYNTHETIC TEXTILES. [1960] 44p. 10 refs.
Order from RIS \$20.00

Trans. of Il Nuovo Cimento (Italy) 1953 [ser. 9]
v. 10, no. 1, p. 35-82.

143,078

(Materials - Textiles, 12 - 5, no. 1)

61-12086

I. Synthetic fibers--
Production

1. Bozza, G.

II. RIS C-85

III. Research Information
Service, New York

Office of Technical Services

Dependence of the Characteristic Frequency of a
Solid on Temperature and Volume, According to
Statistical Mechanics, by Piero G. Bordoni, 11 pp.

ITALIAN, per, Nuovo Cimento, Vol I, No 9, 1953,
pp 268-280. 9208273

ABC-UCRL-Tr-927(L)

Sci - Phys

Jun 63

234,271

On the Thermal Utilization Factor and the
Thermal Diffusion Length in a Heterogeneous
Reactor, by S. Gallone, 7 pp.

ITALIAN

SEANTEN, per, Nuovo Cimento, Vol X, 1953, pp
1495-1497.

AEC 3377

Sci - Phys

Nov 58

76,427

The First Excited States in Nuclei With Even Numbers
of Protons and Neutrons, by P. Stachelin, P. Preiswerk,
62 pp.

ITALIAN, 1953, Nuovo Cimento, Vol X, 1953, pp 1219-1260.

S.L.A. 678/1955
AEC Tr 1929
U-6009
13,981

Scientific - Physics

Jul 54 CTS

Non-Focussed Cerenkov Counters, by M. Mando.

ITALIAN, per, Nuovo Cim, Vol XII, 1954,
pp 5-17.

TPA3/TIB T 4395

WEur - Italy
Sci - Physics

29, 391

Linear Guiding on Flexible Blades. Comparison
of Various Known and New Types, by J. E.
Plainevaux,

Triller
~~FRANCE~~, per, *Il Nuovo Cimento*, Vol XII, No 1,
Ser 9, 1954, pp 37-59.

Natl Res Council, Canada
TT No 795

Sci - engr

Apr 60

112,650

Regrading Nuclear Temperatures, by A. TOCCARINI,
6 pp.

ITALIAN, per, Nuovo Cimento, Vol XII, 1954,
pp 134-139.

AEC Tr No 2058
Assoc Tech Sv

78 F41

Scientific - Nuclear Physics

21,238

On the Calculation of the Number of Grains
Nuclear Emulsions, by G. Lovera.

ITALIAN, per, Nuovo Cimento, Vol XII, 1954.
pp 154, 155.

CSIRO

Sci - Nuc Phys

Jun61

156,451

The Non-Maxwellian Theory of Homogeneous
Anisotropic Plasmas, by Jancel R., T. Kahan.

ITALIAN, per, Nuovo Cimento, Vol XII, No 5,
1954, series 9, p 573.

ERDL Ft Belvoir
T-1335

Sci - Phys

Jun 61

157, 401

Lattice Defects in Ionic Solids, by F. G. Fumi,
8
ITALIAN, per, Nuovo Cimento, Vol XII, No 9,
1954, Suppl 1, pp 67-76.

AEC Tr 2839

Sci - Chemistry

45, 129

Mar 57/CT8

Sections of Elastic Impact Proton-Proton and Neutron-Proton, by L. Beretta, C. Villi, F. Ferrari, 51 pp.

ITALIAN, per, Nuovo Cimento, Vol XII, No 9, Suppl. No 3, 1954, pp 499-548.

AEC Tr 2288

28,714

Scientific - Electronics

Nov 55 CTS/DEX

About the Frequency of Chemical Elements, by G.
Bussetti, 17 pp.

ITALIAN, per, Il Nuovo Cimento, Vol XII, No 9, 1954;
pp 769-779. 9089541

RL

AEC UCR Tr-804(L)

Sci - Chem
Jul 62

204,696

Study of Heavy Mesons Stopping in
Photographic Emulsions, by T. F. Hoang,
et al.

ITALIAN, per, Nuovo Cimento, Vol X,
1955, pp XX 172-185.

CAIRO

Sci - Phys
Jul 62

203, 483

Study of Heavy Mesons Stopping in the
Photographic Emulsions. Part II.
Method of Estimation of Mass by Grain
Density-Residual Track, by T. P.
Hoang.

ITALIAN, per, Macro Cinema, Vol I,
No 3, 1955, pp 186-199.

4 CHIRO

Sci - Phys
Jul 62

203, 482

Method of Mass Determination by Counting Gaps,
Study of Stopping Heavy Mesons in the Photo-
graphic Emulsions (II), by G. Kayas.

ITALIAN, per, Nuovo Cimento, ~~XXXX~~ Vol I,
No 3, 1955, pp 200-208.

CSIRO

Sci - Phys
Aug 62

207.437

On the Method for Determination of the Residual
Range of Hyperons, by G. Baroni, G. Cortini,
A. Manfredini

ITALIAN, per, Il Nuovo Cimento, Vol I, No 3, 1955,
pp 473-481.

*Navy Tr /NRL

Scientific - Physics

63-14695

Kourganoff, V.
OBSERVATIONS REVEALING PROCESS OF NUCLEAR
DISINTEGRATION IN CERTAIN STARS. [1963] [39]p.
48 refs.
Order from SLA \$3.60

63-14695

Trans. of Nuovo Cimento (Italy) 1955, ser. 10, v. 1,
no. 4, p. 273-294.

DESCRIPTORS: *Stars, *Radioactive decay, *Thermo-
nuclear reactions, Sources, Thermionic emission,
Comets, Nebulae, Astrophysics, *Interstellar matter,
Fission

Contents:

Critique of the explanation of the expenditure of stellar
energy by thermonuclear reactions
Possibility of a method based on observations
The most significant observations concerning the prob-
lem of the sources of stellar energy
(Astronomy--Astrophysics, TT, v. 10, no. 4) (over)

1. Kourganoff, V.

Office of Technical Services

A Model of a Magnetic-Field Type Deuterium Source,
by G. Perona, A. Persano, 9 pp.

ITALIAN, per, Nuovo Cimento, Vol I, No 10,
1955, pp 501-503.

AEC UCHL-Trans-595(L)

Sci -
19 Jan 61

127,333

Measurements of Cosmic Ray Protons, by
S. Baccalini, et al, 17 pp.

Do I,
ITALIAN, por, El Nuevo Mundo, Madrid 1955,
pp 657-668.

S.I.A. Tr 696/1956

Sci - Physics
Oct 56 C13

37,460

Calculation of Groups of Grains in Nuclear
Emulsions, by I. Iori, A. Roveri.

ITALIAN, per, Nuovo Cimento, Vol II, No 1,
1955, pp 165-167.

CSIRO

Sci - Nuc Phys

Jun 61

156,450

Study of the Deformations of a Flexible Suspension
Blade, by J. E. Plainevaux.

~~FRENCH~~, per, Il Nuovo Cimento, Vol IV, No 4, Ser
10, 1956, pp 922-926.

Natl Res Council, Canada
TR No 796

Sci - engr

Apr 60

112,649

Pitching Movement of an Elementary Suspension
on Flexible Blades, by J. E. Plainevaux,

~~Present~~, per, Il Nuovo Cimento, Vol IV, No 5,
Ser 10, 1956, pp 1133-1141.

Natl Res Council, Canada
TR No 797

Sci - Engr

Apr 60

112,651

Coupling of Nonrelativistic Particles With a
Quantum Field. I. The Exciton in an Oscil-
lating Polar Crystal, by H. Mahan.
ITALIAN, per, Nuovo Cimento, Vol 4, No 5, Ser 10,
1956, pp 1230-1253.
*AEC OROL Tr-1712

Sci - Physics
Jul 67

Photonuclear Reactions and Giant Resonance,
Parts I and II, by V. De Sabbata, 98 pp.

ITALIAN, per, Nuovo Cimento, Vol V, Suppl No 1,
1957, pp 243-266; Vol XI, Suppl No 2, 1959,
pp 225-314.

AEC UCRL Tr 495(L)

Sci - Nuc Phys
Jun 60

118,895

R-973/62

Arret de la Diffusion des Radioelements dans les
Emulsions Nucleaires Par Exposition A Basse
Temperature, author unknown

~~ITALIAN~~

~~REDACTED~~, pen, Il Nuovo Cimento, Vol V, No 1,
Jan 57, pp unknown

Sci - Nuc Phys
Aug 62

*JPRS/US Publ. Health Ser.
Robt. A. Taft San Engr Cntr
4676 Columbia Parkway
Cincinnati 26, Ohio
ATTN: Library

Statistical Theory of the Counting of Alpha Particles
Emitted by Successive Disintegrations of Radioelements,
by M. Huybrechts, 31 pp.
ITALIAN, per, Nuovo Cimento, Vol VI, No 10, 1957,
pp 811-831. 922 3467
AEC-ANL-Tr-30

Sci-Phys
Sep 64

265,837

On the Variation of Magnetic and Mechanical Properties Caused by Hydrogen Dissolved in Iron, by A. Ferro, 12 pp.

ITALIAN, per, 11 Nuovo Cimento 5, 1957
pp. 842-853.

*Nat. Bur. Stand. TT 70-59055

Sci/phys
May 70

Kastler, A.
OPTICAL METHODS OF RADIO FREQUENCY RESO-
NANCE (Les Methodes Optiques de la Resonance
Hertzienne) tr. by D. A. Sinclair. 1963, 23p. 79 refs.
NRCC Technical Trans. 1063.
Order from NRCC \$1.50 NRCC C-4337

Trans. of Nuovo Cimento. Supplemento (Italy) 1957,
no. 3, p. 1148-1167.

DESCRIPTORS: *Radiofrequency, *Resonance, *Optics,
Magnetic resonance, Hyperfine structure, Atoms,
Excitation, Detection, Electric moments, Para-
magnetic resonance.

(Physics, TT, v. 10, no. 5)

63-17411

1. Title: Zeeman effect
2. Title: Stark effect
- I. Kastler, A.
- II. NRCC TT-1063
- III. NRCC C-4337
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